



FACILITY COMPLIANCE AUDIT REPORT

Division of Waste Management Solid Waste Section

UNIT TYPE:												
Lined MSWLF	X	LCID		YW	X	Transfer		Compost	X	SLAS		COUNTY: Haywood PERMIT NO.: 44-07 FILE TYPE: COMPLIANCE
Closed MSWLF		HHW		White goods		Incin		T&P	X	FIRM		
Closed CDLF	X	Tire T&P / Collection		Tire Monofill		Industrial Landfill		DEMO		SDTF		

Dates of Audit: June 23, 26, and 30, 2009 **Date of Last Audit:** 11/14/08

FACILITY NAME AND ADDRESS:

Haywood County Municipal Solid Waste Landfill
 State Road 1338, White Oak Community
 Waynesville, N. C. 28786

GPS COORDINATES: N: 35.66343 W: -82.99866

FACILITY CONTACT NAME AND PHONE NUMBER:

Stephen King, Haywood County Solid Waste Director
 Telephone 828-627-8042

FACILITY CONTACT ADDRESS:

Stephen King, Director
 Haywood County Solid Waste Department
 278 Recycle Road
 Clyde, N. C. 28721

AUDIT PARTICIPANTS:

Andrea Keller, NCDENR, Division of Waste Management (DWM), Solid Waste Section (SWS)
 Allen Gaither, NCDENR, DWM-SWS (06/23/09)
 Stephen King, Haywood County Solid Waste Director
 Denise Ballew, Haywood County White Oak Landfill Manager

STATUS OF PERMIT:

Active- Permit to Operate issued November 8, 2006

PURPOSE OF AUDIT:

Partial Audit
 Closure Inspection of CDLF

STATUS OF PAST NOTED VIOLATIONS:

N/A

AREAS OF CONCERN AND COMMENTS:

1. The Section was notified on Monday, June 22nd of a leachate seep and repair activities at the MSWLF. The seep occurred in the same region as the issues noted in November of 2008, although higher up the inactive

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disposal area from the sump/trench work conducted previously. Planned inspection of the site was already scheduled for Tuesday, June 23rd.

2. During the June 23rd inspection of the MSWLF, the following statements with regard to the leachate seep were made by S. King and D. Ballew:
- a. During operational hours on Saturday, June 20th, a leachate seep/slight ponding was observed on the MWSLF Phase One, Cell One, located above the leachate lagoon. A certified landfill operator, in attempting to repair the upper slope, excavated/pushed the intermediate cover off the slope. The excavation pushed soil, and some soil mixed with waste, outside the waste boundary [dozing through the edge of waste (EOW) stakes], and exposing waste on the upper slope.
 - b. Repairs were not completed by the end of the day on Saturday, June 20th and thus some waste was left exposed over the course of the weekend. Approximately 2 ½ of rain fell on Sunday, June 21st.
 - c. On the start of the workday on Monday, June 22nd, S. King and D. Ballew observed the situation at the seep/repair area. They stated that while some soil mixed with waste was located outside the liner system, no leachate release had occurred as the upper excavation/pit captured the seeping leachate (first noted on Saturday). The waste/soil mix was immediately removed and disposed of at the active working face.
 - d. During repairs on Monday, June 22nd, a trench channel was excavated to direct leachate flow from the upper seep/pit to the existing sump pump near the base of the slope (sump pump installed during side slope repairs from November, 2008). Leachate was piped (3" and 6" pipes) directly into the leachate lagoon to ensure that no spill-over from the pit could occur. It was also noted (by D. Ballew) that the valve control to the leachate pond had been adjusted (no knowledge as to when or who altered the valve setting) to almost completely shut.



06/23/09.

Note that wet weather conditions slowed down repair timeline.

- e. Haywood County took immediate corrective actions including: the operator responsible for pushing the intermediate cap plus waste outside the liner system had been placed on administrative leave, retraining of landfill operators, and D. Ballew was looking into how to secure the valve control to prevent accidental/unapproved adjustments.

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3. Planned repairs to the area included: covering/seeding the exposed slope, laying fill rock in the open trench to create a preferential pathway to the lower sump pump, reshaping the base of the slope to original contours and ditch lines, and replacing the EOW marker.
4. Construction of the new cell had begun. Dust control measures were in place during the audit. D. Ballew stated that Land Quality had been on site to review erosion control permits.
5. Closure audit of the CDLF was conducted. Certified engineering documentation will be provided to Allen Gaither to confirm final grades and cap thickness. During site audit, the CDLF area had established vegetation and had erosion control measures in place (including the construction of tiered slopes).



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6. Well (potable groundwater well) discussion with D. Ballew established that the exiting site well had historically been located within 500-feet of waste disposal areas. Unknown as to whether the well was installed prior to waste or post-disposal activities. Facility is looking into replacement of the well outside the 500-foot buffer requirement and was advised to discuss abandonment requirements for existing well with Aquifer Protection (Landon Davidson, 828-296-4680).
7. The T&P area for chipping and mulching has been collecting land clearing debris from the new cell construction activities. No processed materials noted at site during inspection.
8. Follow-up audits on 06/26/09 and 06/30/09 confirmed repairs to the seep area. Trench and pits had been filled, all waste had been covered, grading had occurred. Remaining items include replacement of EOW marker and reshaping of the ditch previously located at the bottom of the slope, outside the EOW markers.



06/30/09

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9. It was noted during the inspection of the working face that the baled waste from the transfer station was being temporarily located at a MSWLF lift below the working face, then transferred to the working face to be broken up and compacted, adding additional work processes to the waste management risking further damage to equipment (from the freed baling wire). Additionally, the area where the bales were temporarily staged (due to wet weather restrictions on the waste haulers) is experiencing a degradation of the daily cover. The more traffic works this area, especially in wet weather conditions, the more this area will become rutted and the more waste will mix with soil.



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This area requires repair and a modification of traffic patterns to **avoid violation of the 15A NCAC 13B Section .1626(a) Operational Requirements governing the control of disease, vectors, fires, odors, blowing litter, and scavenging with regards to daily cover**, and will be inspected closely on subsequent site inspections.

Please contact me if you have any questions or concerns regarding this audit report.

Phone: 828-296-4700

Andrea Keller

Environmental Senior Specialist

Regional Representative

Mailed on : <u>07/10/09</u> by		hand delivery		US Mail		Certified No. <u> </u>
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cc: Mark Poindexter, Field Operations Branch Supervisor

Deb Aja, Western District Supervisor

Donald Herndon, Compliance Officer